

REMARKS:

In the outstanding Office Action, the Examiner rejected claims 1-4, 7-16, 19, 20 and 23-26. Claims 1, 15, 19 and 23-26 are amended herein. Claims 5, 6, 17, 18, 21 and 22 remain cancelled. No new matter is presented.

Thus, claims 1-4, 7-16, 19, 20 and 23-26 are pending and under consideration. The rejections are traversed below.

REJECTION UNDER 35 U.S.C. §103(a):

Claims 1-4, 7-16, 19, 20 and 23-26 were rejected under 35 U.S.C. § 103(a) as being unpatentable over various combinations of the following: U.S. Patent No. 5,935,210 (Stark), U.S. Patent No. 6,011,537 (Slotznick), U.S. Patent No. 6,148,334 (Imai) and U.S. Patent No. 6,834,372 (Becker).

On page 14 of the outstanding Office Action, the Examiner asserts that col. 1, line 57 through col. 2, line 10 and col. 3, lines 18-64 teach downloading a second file and displaying the downloaded second file responsive to a request by the user to display the same. Stark specifically states:

"Embodiments of the invention may include the following features. The first resource may be an HTML page. The meta-data may be presented in a graphical representation as a tree with the meta-data describing aspects of the first resource as a root of the tree. The method may include the steps of attempting to access the other resources and, when a resource is accessed, extracting from the accessed resource information about hyperlinks from the accessed resource to other resources in the site and meta-data describing aspects of the accessed resource and the other resources. The step of extracting meta-data may include extracting text data characterizing the resources, and it may include extracting data identifying the types of the resources. The hyperlinks may include hyperlinks to non-hardware components of the computer system, and they may include hyperlinks to HTML pages, video files, audio files, image files, and internet application services. The application services may include electronic mail services, FTP, gopher, news, telnet, and WAIS. Extracting information about hyperlinks may include extracting from the first resource embedded URLs specifying the locations of the other resources."

(col. 1, line 57 through col. 2, line 10 of Stark).

As can be seen from the above discussion, Stark only provides data characterizing a resource that may include data identifying the type of the resource. However, this data characterizing the resource in Stark is used in a tree identifying branch nodes hierarchically subordinate to a root node (see, col. 4, line 67-col.5, line 27).

The Examiner relies on Slotznick as teaching analyzing and loading another file that has been downloaded onto an invisible screen and displaying same without downloading the file. Slotznick discusses displaying cached information (secondary information) from a local storage device of the user's computer during a delay time occurring during retrieval of subsequent primary information (see, col. 9, lines 22-39 and col. 20, lines 58-64). However, Slotznick attaches a link to portions of the displayed text and downloads the linked information only when the linked address is activated by a pointing device (see, col. 8, line 66 through col. 9, line 11).

Becker is directed to presenting a report of various characteristics from past visits to a hyperlinked data. In Becker, the computer (104) identifies each hyperlink in a web page and identifies characteristics of the data underlying each hyperlink when receiving predetermined user input including direction of a cursor proximate to the hyperlink (see, col. 8, lines 50-64 and col. 9, lines 30-51). As shown in Fig. 5, the characteristics data in Becker is of a previous access to the link such as size, date of last download, status of web site and errors. That is, Becker is limited to presenting a report with characteristics of the hyperlink.

Imai adds nothing to the teachings of Slotznick, Stark and Becker with respect to the claimed invention. In particular, Imai merely sends a list of files related to the desired file indicated by the request to the client device (see, col. 2, line 62 through col. 3, line 5).

The claimed invention includes extracting a file described or created by a script or a program in a resource file and loading the file designated by the URL prior to receipt of an instruction to download the file.

Independent claim 1, by way of example, recites, "analyzing a display control file of managing a display screen to extract another file described or created by a script or a program in a resource file" and "temporarily store a URL created by said script or said program." Independent claim further recites, "downloading from a server said another file using said URL according to a predetermined condition, and monitoring if no operation on the display has been performed", "loading said another file designated by said URL which has been downloaded onto an invisible screen" and "executing or displaying said another file without downloading said another file when designated on the display screen" (emphasis added). Independent claims 15 and 19 recite similar features.

Claim 23 and 24 recite, "downloading a file described or created by a script or a program in a resource file from a server when the resource file with which the file is linked is being browsed on a display screen", where the file is downloaded "using a designated URL based on a

predetermined condition and the URL is created by said script or said program.” As such, the file loaded onto the invisible screen is displayed onto the display screen when the file is designated on the display screen.

Similarly, claims 25 and 26 recite, “temporarily loading the file using the URL in an invisible screen when an operation has not been performed during a period of time” and “downloading a second file in an invisible screen using a designated URL upon determining a link to the second file contained in a first file displayed meets a predefined condition”, respectively.

The cited references do not teach or suggest the above-identified features including loading a file “an invisible screen... using the URL” when an operation has not been performed and subsequently “displaying when designated” without requiring download at the requested time, as taught by the claimed invention of claims 1, 15, 19 and 23-26.

It is submitted that the independent claims are patentable over the cited references.

For at least the above-mentioned reasons, claims depending from the independent claims are patentably distinguishable over the cited references. The dependent claims are also independently patentable. For example, claim 16 recites, “at the time of said analysis, if said another file requires another module to execute or display said another file, said another module is loaded” (see also claim 2).

The cited references, alone or in combination, do not teach or suggest pre-loading of a file including “at the time of said analysis, if said another file requires another module to execute or display said another file, said another module is loaded.” these features of claim 16.

Therefore, withdrawal of the rejection is respectfully requested.

CONCLUSION:

In light of the above, claims 1, 15, 19 and 23-26 are amended herein (Claims 5, 6, 17, 18, 21 and 22 remain cancelled). Thus, claims 1-4, 7-16, 19, 20 and 23-26 are pending and under consideration.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

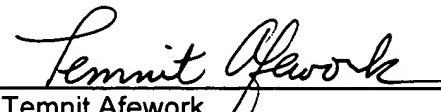
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If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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